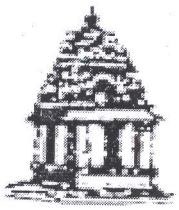


BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAAPURA

Name of Work: Estimate for IMPROVEMENTS OF ROADS DRAINS AND CULVERTS IN WARD NO 10 (DODDABOMMASANDRA)

Job Code: 010-21-000005

P-Code: P-3798

Estimated Cost: Rs. 100.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: Estimate for IMPROVEMENTS OF ROADS DRAINS AND CULVERTS IN WARD NO 10 (DODDABOMMASANDRA)

	010-21-000005	P-3798					Estimate Cost:		10000000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 143 / Item No. 19.1, PWD SR 2018-19**	Cum							
	For Drain Desilting								
	2nd Main Road (w0409)		1	335	0.45	0.45	67.84		
	1st Cross (w0411)		1	97.5	0.45	0.45	19.74		
	2nd Cross (w0346)		1	155.8	0.45	0.45	31.55		
	3rd Cross (w0348)		2	164.7	0.45	0.45	66.70		
	5th Cross (w0352)		1	125.8	0.45	0.45	25.47		
	Main Road (w0356)		1	427	0.45	0.45	86.47		
	Berm Cutting								
	2nd Main Road (w0409)		1	335	0.60	0.15	30.15		
	1st Cross (w0411)		1	97.5	0.60	0.15	8.78		
	2nd Cross (w0346)		1	155.8	0.60	0.15	14.02		
	3rd Cross (w0348)		2	164.7	0.60	0.15	29.65		
	5th Cross (w0352)		1	125.8	0.60	0.15	11.32		
	Main Road (w0356)		1	427	0.60	0.15	38.43		
	Hand railing Pole Concrete		330	0.3	0.3	0.3	8.91		
							439.03	243.88	**107071.00**
	Basic Rate	130.00							
	Area Weightage @ 6%	7.80							
	Sub Total	**137.80**							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
	Total	**243.88**							
2	Removing and refixing stone slabs of drains and pointing in CM (1:3) **Page No. 27 / Item No. 5.33 PWD SR 2018-**	Sqm							
	Nagaland Colony								
	2nd Main Road (w0409)		1	335		1.8	603		
	1st Cross (w0411)		1	97.5		1.8	175.5		
	2nd Cross (w0346)		1	155.8		1.8	280.44		
	3rd Cross (w0348)		2	164.7		1.8	592.92		
	5th Cross (w0352)		1	125.8		1.8	226.44		
	Total Qty						**1878.30**		
	Consider 50% of the Total Qty						**939.15**	111.30	**104527.00**
	Basic Rate	105.00							
	Area Weightage @ 6%	6.30							
	Total	**111.30**							
3	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 5km lead= (I No-19.14,P No-143)	Cum							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Road Cut Portion								
	Nagaland Colony								
	2nd Main Road (w0409)								
			1	10	1.20	0.23	2.76		
			2	25	1.05	0.23	12.08		
			3	9	0.90	0.23	5.59		
	1st Main Road (w0413)								
			1	12	0.80	0.23	2.21		
			2	6	1.30	0.23	3.59		
			2	20	1.00	0.23	9.20		
	1st Cross (w0411)								
			1	10	1.20	0.23	2.76		
			1	25	1.50	0.23	8.63		
	2nd Cross (w0346)								
			1	20	1.60	0.23	7.36		
			2	10	1.20	0.23	5.52		
			1	15	0.50	0.23	1.73		
	3rd Cross (w0348)								
			1	15	1.00	0.23	3.45		
			1	18	0.90	0.23	3.73		
			1	12	1.50	0.23	4.14		
	4th Cross (w0350)								
			1	11	1.30	0.23	3.29		
			1	16	1.10	0.23	4.05		
			2	6	2.10	0.23	5.80		
	5th Cross (w0352)								
			1	6	1.30	0.23	1.79		
			1	10	1.00	0.23	2.30		
			1	15	0.50	0.23	1.73		
	Cross Road (w0417)								
			1	15	0.50	0.23	1.73		
			1	10	0.90	0.23	2.07		
			1	6	1.60	0.23	2.21		
			1	8	1.10	0.23	2.02		
	6th Cross (w0354)								
			1	20	1.50	0.23	6.90		
			1	14	2.00	0.23	6.44		
			1	6	1.80	0.23	2.48		
			1	19	0.90	0.23	3.93		
			2	10	1.00	0.23	4.60		
	Main Road (w0356)								
			1	26	1.60	0.23	9.57		
			1	15.00	1.10	0.23	3.80		
			1	10.00	0.90	0.23	2.07		
			1	9.00	2.00	0.23	4.14		
			1	16.00	0.75	0.23	2.76		
			1	12.00	1.30	0.23	3.59		
			1	10.00	0.45	0.23	1.04		
	Total Qty						**151.02**	56.26	**849**
	Basic Rate	41.00							
	Area Weightage @ 6%	2.46							
	5Km lead= (2*1.28*5)	12.80							
	Total	**56.26**							

No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
4	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 **Page No. 155 / Item No. 20.18, PWD SR 2018-19**	Cum							
	Road Cut Portion								
	Nagaland Colony								
	2nd Main Road (w0409)								
			1	10	1.2	0.23	2.76		
			2	25	1.05	0.23	12.08		
			3	9	0.9	0.23	5.59		
	1st Main Road (w0413)								
			1	12	0.8	0.23	2.21		
			2	6	1.3	0.23	3.59		
			2	20	1	0.23	9.20		
	1st Cross (w0411)								
			1	10	1.2	0.23	2.76		
			1	25	1.5	0.23	8.63		
	2nd Cross (w0346)								
			1	20	1.6	0.23	7.36		
			2	10	1.2	0.23	5.52		
			1	15	0.5	0.23	1.73		
	3rd Cross (w0348)								
			1	15	1	0.23	3.45		
			1	18	0.9	0.23	3.73		
			1	12	1.5	0.23	4.14		
	4th Cross (w0350)								
			1	11	1.3	0.23	3.29		
			1	16	1.1	0.23	4.05		
			2	6	2.1	0.23	5.80		
	5th Cross (w0352)								
			1	6	1.3	0.23	1.79		
			1	10	1	0.23	2.30		
			1	15	0.5	0.23	1.73		
	Cross Road (w0417)								
			1	15	0.5	0.23	1.73		
			1	10	0.9	0.23	2.07		
			1	6	1.6	0.23	2.21		
			1	8	1.1	0.23	2.02		
	6th Cross (w0354)								
			1	20	1.5	0.23	6.90		
			1	14	2	0.23	6.44		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	A
			1	6	1.8	0.23	2.48		
			1	19	0.9	0.23	3.93		
			2	10	1	0.23	4.60		
	Main Road (w0356)								
			1	26	1.6	0.23	9.57		
			1	15	1.1	0.23	3.80		
			1	10	0.9	0.23	2.07		
			1	9	2	0.23	4.14		
			1	16	0.75	0.23	2.76		
			1	12	1.3	0.23	3.59		
			1	10	0.45	0.23	1.04		
	Total Qty						**151.02**	2001.28	30
	Basic Rate	1888.00							
	Area Weightage @ 6%	113.28							
	Total	**2001.28**							
5	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 **Page No. 158 / Item No. 21.6, PWD SR 2018-19** Issu. Rate	Sqm							
	Road Cut Portion								
	Nagaland Colony								
	2nd Main Road (w0409)								
			1	10	1.2		12.00		
			2	25	1.05		52.50		
	1st Main Road (w0413)		3	9	0.9		24.30		
			1	12	0.8		9.60		
			2	6	1.3		15.60		
			2	20	1		40.00		
	1st Cross (w0411)								
			1	10	1.2		12.00		
			1	25	1.5		37.50		
	2nd Cross (w0346)								
			1	20	1.6		32.00		
			2	10	1.2		24.00		
			1	15	0.5		7.50		
	3rd Cross (w0348)								
			1	15	1		15.00		
			1	18	0.9		16.20		
			1	12	1.5		18.00		
	4th Cross (w0350)								
			1	11	1.3		14.30		
			1	16	1.1		17.60		
			2	6	2.1		25.20		
	5th Cross (w0352)								
			1	6	1.3		7.80		

Description	Unit	No.	L	B	D	Qty	Rate	Amount
		1	10	1		10.00		
		1	15	0.5		7.50		
Cross Road (w0417)								
		1	15	0.5		7.50		
		1	10	0.9		9.00		
		1	6	1.6		9.60		
		1	8	1.1		8.80		
6th Cross (w0354)								
		1	20	1.5		30.00		
		1	14	2		28.00		
		1	6	1.8		10.80		
		1	19	0.9		17.10		
		2	10	1		20.00		
Main Road (w0356)								
		1	26	1.6		41.60		
		1	15	1.1		16.50		
		1	10	0.9		9.00		
		1	9	2		18.00		
		1	16	0.75		12.00		
		1	12	1.3		15.60		
		1	10	0.45		4.50		
Total Qty						**656.60**		
Nagaland Colony								
2nd Main Road (w0409)								
1st Main Road (w0413)		1	335	6.5		2177.50		
		1	181.1	7		1267.70		
1st Cross (w0411)								
2nd Cross (w0346)		1	97.5	6		585.00		
3rd Cross (w0348)		1	155.8	6.5		1012.70		
4th Cross (w0350)		1	164.7	5.5		905.85		
5th Cross (w0352)		1	125.4	5.5		689.70		
Cross Road (w0417)		1	125.8	5.5		691.90		
6th Cross (w0354)		1	179.7	5.5		988.35		
Main Road (w0356)		1	205.4	5.5		1129.70		
		1	427	7		2989.00		
				Total		**12437.4**		
Consider 25%						3109.35		
Total Qty						**3765.95**	29.68	**111773.00**
Revised Basic Rate	28.00							
Area Weightage @ 6%	1.68							
Total	**29.68**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	A
6	KSRRB 500-11. Providing and laying **bituminous macadam** on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixd material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. MORTH /Chapter 5 - using **40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 3.3 % VG-30 Bitumen Page No. 159 / Item No. 21.11.6. PWD**	Cum							
	Road Cut Portion								
	Nagaland Colony								
	2nd Main Road (w0409)								
			1	10	1.2	0.05	0.60		
			2	25	1.05	0.05	2.63		
	1st Main Road (w0413)		3	9	0.9	0.05	1.22		
			1	12	0.8	0.05	0.48		
			2	6	1.3	0.05	0.78		
			2	20	1	0.05	2.00		
	1st Cross (w0411)								
			1	10	1.2	0.05	0.60		
			1	25	1.5	0.05	1.88		
	2nd Cross (w0346)								
			1	20	1.6	0.05	1.60		
			2	10	1.2	0.05	1.20		
			1	15	0.5	0.05	0.38		
	3rd Cross (w0348)								
			1	15	1	0.05	0.75		
			1	18	0.9	0.05	0.81		
			1	12	1.5	0.05	0.90		
	4th Cross (w0350)								
			1	11	1.3	0.05	0.72		
			1	16	1.1	0.05	0.88		
			2	6	2.1	0.05	1.26		
	5th Cross (w0352)								
			1	6	1.3	0.05	0.39		
			1	10	1	0.05	0.50		
			1	15	0.5	0.05	0.38		
	Cross Road (w0417)								
			1	15	0.5	0.05	0.38		
			1	10	0.9	0.05	0.45		
			1	6	1.6	0.05	0.48		
			1	8	1.1	0.05	0.44		
	6th Cross (w0354)								

Description	Unit	No.	L	B	D	Qty	Rate	Amount
		1	20	1.5	0.05	1.50		
		1	14	2	0.05	1.40		
		1	6	1.8	0.05	0.54		
		1	19	0.9	0.05	0.86		
		2	10	1	0.05	1.00		
Main Road (w0356)								
		1	26	1.6	0.05	2.08		
		1	15	1.1	0.05	0.83		
		1	10	0.9	0.05	0.45		
		1	9	2	0.05	0.90		
		1	16	0.75	0.05	0.60		
		1	12	1.3	0.05	0.78		
		1	10	0.45	0.05	0.23		
				Total		**32.83**		
Nagaland Colony								
2nd Main Road (w0409)		1	335	6.5	0.05	108.875		
1st Main Road (w0413)		1	181.1	7	0.05	63.385		
1st Cross (w0411)		1	97.5	6	0.05	29.25		
2nd Cross (w0346)		1	155.8	6.5	0.05	50.635		
3rd Cross (w0348)		1	164.7	5.5	0.05	45.2925		
4th Cross (w0350)		1	125.4	5.5	0.05	34.485		
5th Cross (w0352)		1	125.8	5.5	0.05	34.595		
Cross Road (w0417)		1	179.7	5.5	0.05	49.4175		
6th Cross (w0354)		1	205.4	5.5	0.05	56.485		
Main Road (w0356)		1	427	7	0.05	149.45		
				Total		**621.87**		
Consider 25%						**155.47**		
Total Qty						**188.30**	5227.92	**984404.00**
Revised Basic Rate	4932.00							
Area Weightage @ 6%	295.92							
Total	**5227.92**							
KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501 **Page No. 158 / Item No. 21.2, PWD SR 2018-19**	Sqm							
Nagaland Colony								
2nd Main Road (w0409)		1	335	6.5		2177.50		
1st Main Road (w0413)		1	181.1	7		1267.70		
1st Cross (w0411)		1	97.5	6		585.00		
2nd Cross (w0346)		1	155.8	6.5		1012.70		
3rd Cross (w0348)		1	164.7	5.5		905.85		
4th Cross (w0350)		1	125.4	5.5		689.70		
5th Cross (w0352)		1	125.8	5.5		691.90		
Cross Road (w0417)		1	179.7	5.5		988.35		
6th Cross (w0354)		1	205.4	5.5		1129.70		
Main Road (w0356)		1	427	7		2989.00		
Total Qty						**12437.40**	5.30	**65918.00**
Basic Rate	5.00							
Area Weightage @ 6%	0.30							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	A
	Total	**5.30**							
8	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 **Page No. 158 / Item No. 21.7 PWD**	Sqm							
			Qty Vide Item No. 7				12437.40		
	Revised Basic Rate	12.00					**12437.40**	12.72	15
	Area Weightage @ 6%	0.72							
	Total	**12.72**							
9	KSRRB M500-19. Providing and laying **bituminous concrete 40 mm thick** with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - **using 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-30 Bitumen Page No. 162 / Item No. 21.22.6, PWD SR 2018-19**	Cum							
	Nagaland Colony								
	2nd Main Road (w0409)		1	335.00	6.50	0.040	87.10		
	1st Main Road (w0413)		1	181.10	7.00	0.040	50.71		
	1st Cross (w0411)		1	97.50	6.00	0.040	23.40		
	2nd Cross (w0346)		1	155.80	6.50	0.040	40.51		
	3rd Cross (w0348)		1	164.70	5.50	0.040	36.23		
	4th Cross (w0350)		1	125.40	5.50	0.040	27.59		
	5th Cross (w0352)		1	125.80	5.50	0.040	27.68		
	Cross Road (w0417)		1	179.70	5.50	0.040	39.53		
	6th Cross (w0354)		1	205.40	5.50	0.040	45.19		
	Main Road (w0356)		1	427.00	7.00	0.040	119.56		
	Revised Basic Rate	6939.00					**497.50**	7355.34	3659
	Area Weightage @ 6%	416.34							
	Total	**7355.34**							
10	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 **Page No. 182, Item No. 24.15 PWD SR 2018-19**	Sqm							
	Nagaland Colony								
	2nd Main Road (w0409)	-	2	335	0.10		67.00		
	1st Main Road (w0413)		2	181.1	0.10		36.22		
	0								
	1st Cross (w0411)		2	97.5	0.10		19.50		
	2nd Cross (w0346)		2	155.8	0.10		31.16		
	3rd Cross (w0348)		2	164.7	0.10		32.94		
	4th Cross (w0350)		2	125.4	0.10		25.08		

Rate	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	5th Cross (w0352)		2	125.8	0.10		25.16		
	Cross Road (w0417)		2	179.7	0.10		35.94		
	6th Cross (w0354)		2	205.4	0.10		41.08		
	Main Road (w0356)		2	427	0.10		85.40		
	Revised Basic Rate	429.00					**399.48**	454.74	**181660.00**
	Area Weightage @ 6%	25.74							
	Total	**454.74**							
12.72	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.5 of PWD SR 2018-19)	Cum							
	Hand railing Pole Concrete		330	0.30	0.30	0.3	8.91		
	Revised Basic Rate	5328					**8.91**	5647.68	**50321.00**
	Area Weightage @ 6%	319.68							
	Total	**5647.68**							
34	KSRRB M800-20.Tubular Steel Railing on Medium Weight Steel Channel (ISMC Series) 100 mm x 50mm:-Providing, fixing and erecting 50 mm dia steel pipe railing in 3 rows duly painted on medium weight steel channels (ISMC series) 100 mm x 50 mm, 1.2 metres high above ground, 2 m centre to centre, complete as per approved drawings as per specifications. MORTH Specification No. 808 (Item No 24.24 page no 184)	m							
	Hand railing		2	495.00			990.00		
	Revised Basic Rate	1426					**990.00**	1511.56	**1496444.00**
	Area Weightage @ 6%	85.56							
	Total	**1511.56**							
	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No.180. litem no.24.1 of KPWD S.R Bangalore Circle 2018-2019)	Sqm							
	Kerb Painting		2	495		0.4	396.00		
	Revised Basic Rate	80					**396.00**	84.80	**33581.00**
	Area Weightage @ 6%	4.80							
	Total	**84.80**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	A
14	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications (P.No-161,I No-21.7)	Sqm							
			1	915	5.50		5032.50		
	Revised Basic Rate	12					**5032.50**	12.72	6
	Area Weightage @ 6%	0.72							
	Total	**12.72**							
15	Providing and laying Bituminous Concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment , rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications.Clause 507 of MORTH V revision as per IRC SP-53-2015 - using 40-60 TPH capacity HMP with mechanical Paver, Gr-II (30-45mm) with 5.4 % of modified bitumen binder consisting of 4.97% VG- 30 bitumen (60/70 grade) 0.43% Plastomeric Thermoplastics (Waste plastic Additive). (P.No-171I No-21.78.12)	Sqm							
			1	915	5.5	0.04	201.30		
	Revised Basic Rate	7111					**201.30**	7537.66	**1517**
	Area Weightage @ 6%	426.66							
	Total	**7537.66**							
16	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15)	Sqm							
			2	915	0.1		183.00		
	Revised Basic Rate	429.00					**183.00**	454.74	**832**
	Area Weightage @ 6%	25.74							
	Total	**454.74**							

No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Sub Total								8928441.00
	GST @ 12%								1071413.00
	Miscellaneous and other Charges	L/S							146.00
								Total	10000000.00

#NAME?

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2018-19.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 10

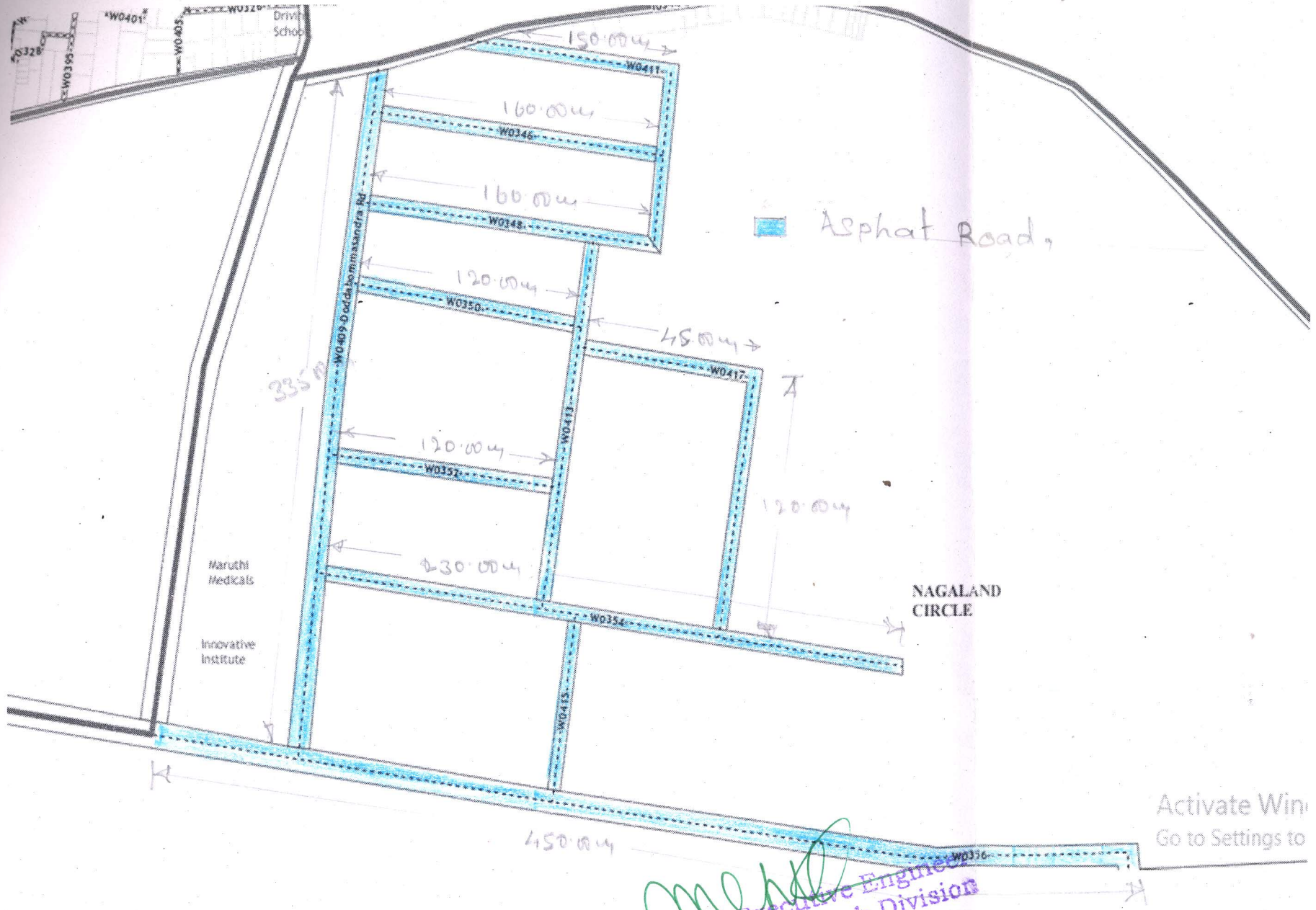
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVE APPROVAL
Accorded For Rs. 100.00 Lakhs only
Head of A/c. P 3798
Div. Ref. No. 55 Date 01/01/2021
AE EE(BTP) 01/01

Technical Sanction
Accorded For Rs 100.00 lakhs only
Head of A/C. P 3798
CER NO : 156 Dt: 11.01.2021

NAME OF WORK: IMPROVEMENTS OF ROADS DRAINS AND CULVERTS IN WARD NO 10 (DODDABOMMASANDRA)



Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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